

City of Chattanooga, TN
Personnel Class Specification

CLASS CODE 1806

FLSA: Non-Exempt

CLASSIFICATION TITLE: ASSOCIATE AIR POLLUTION CONTROL ENGINEER

PURPOSE OF CLASSIFICATION

The purpose of this classification is to assist in evaluating industrial air emissions sources for regulatory compliance, to review and process air pollution control permits, to investigate air pollution complaints, and to provide technical support for computer modeling and related engineering applications.

ESSENTIAL FUNCTIONS

The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

Assists in inspecting industrial air emissions sources to determine compliance with applicable ordinances and regulations; identifies air emission sources and specific pollutants; prepares inspection reports.

Assists in evaluating industrial processes and identifying solutions for process installations and modifications.

Calculates quantitative air emissions and visually quantifies opacity of air emissions; analyzes air emissions for environmental and health effects.

Writes agreements for air emissions testing; oversees emissions testing to ensure compliance.

Participates in the review and investigation of air pollution complaints; prepares investigation reports, notification letters, and other documents.

Reviews and processes applications for air pollution control permits and conducts related inspections.

Assists in conducting air quality dispersion modeling for the evaluation of emissions sources.

Informs businesses, industries, and the general public of compliance measures, permitting procedures and other issues regarding air pollution control laws.

Conducts investigations of open burning complaints; assists in the review and processing of permit applications.

Provides technical support to Bureau legal staff in preparing for enforcement hearings and court cases; testifies at hearings and in court.

Maintains database of emissions inventory data.

Represents the Bureau at various workshops and conferences.

Provides computer training and technical support to staff.

Refers to various ordinances and regulations, the Federal Register, and other documents to maintain knowledge of air pollution control and emissions testing and inspection.

Refers to chemical and toxics manuals, flow diagrams, air emissions logs, inventory data sheets, and other materials in performing assigned engineering tasks.

ADDITIONAL FUNCTIONS

Performs other related duties as required.

MINIMUM QUALIFICATIONS

Associate's degree with course work emphasis in engineering; supplemented by one (1) to two (2) years previous experience and/or training in related engineering inspection and permitting work; or any equivalent combination of education, training, and experience which provides the requisite knowledge, skills, and abilities for this job. Must possess and maintain a valid Tennessee driver's license.

PERFORMANCE APTITUDES

Data Utilization: Requires the ability to review, classify, categorize, prioritize, and/or analyze data. Includes exercising discretion in determining data classification, and in referencing such analysis to established standards for the purpose of recognizing actual or probable interactive effects and relationships.

Human Interaction: Requires the ability to apply principles of persuasion and/or influence over others in a supervisory capacity.

Equipment, Machinery, Tools, and Materials Utilization: Requires the ability to operate and control the actions of equipment, machinery, tools and/or materials requiring complex and rapid adjustments.

Verbal Aptitude: Requires the ability to utilize a wide variety of reference, descriptive, and/or advisory data and information.

Mathematical Aptitude: Requires the ability to perform addition, subtraction, multiplication and division; ability to calculate decimals and percentages; may

include ability to perform mathematical operations with fractions; may include ability to compute discount, interest, profit and loss, ratio and proportion; may include ability to calculate surface areas, volumes, weights, and measures.

Functional Reasoning: Requires the ability to apply principles of rational systems; to interpret instructions furnished in written, oral, diagrammatic, or schedule form; and to exercise independent judgment to adopt or modify methods and standards to meet variations in assigned objectives.

Situational Reasoning: Requires the ability to exercise judgment, decisiveness and creativity in situations involving the evaluation of information against sensory, judgmental, or subjective criteria, as opposed to that which is clearly measurable or verifiable.

ADA COMPLIANCE

Physical Ability: Tasks require the ability to exert very moderate physical effort in light work, typically involving some combination of stooping, kneeling, crouching and crawling, and which may involve some lifting, carrying, pushing and/or pulling of objects and materials of moderate weight (12-20 pounds).

Sensory Requirements: Some tasks require the ability to perceive and discriminate colors or shades of colors, sounds, odor, depth, and visual cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Performance of essential functions may require exposure to adverse environmental conditions, such as dirt, dust, pollen, odors, wetness, humidity, rain, fumes, temperature and noise extremes, or toxic agents.

Chattanooga, Tennessee, is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.